



FortiSwitch - Release Notes

3.6.0

FORTINET DOCUMENT LIBRARY

<http://docs.fortinet.com>

FORTINET VIDEO GUIDE

<http://video.fortinet.com>

FORTINET BLOG

<https://blog.fortinet.com>

CUSTOMER SERVICE & SUPPORT

<https://support.fortinet.com>

FORTIGATE COOKBOOK

<http://cookbook.fortinet.com>

FORTINET TRAINING SERVICES

<http://www.fortinet.com/training>

FORTIGUARD CENTER

<http://www.fortiguard.com>

END USER LICENSE AGREEMENT

<http://www.fortinet.com/doc/legal/EULA.pdf>

FEEDBACK

Email: techdocs@fortinet.com



July 5, 2017

FortiSwitch 3.6.0 Release Notes

11-360-434785-20170705

TABLE OF CONTENTS

Change Log	4
Introduction	5
Supported models	5
What's new in 3.6.0	5
Special Notices	7
Supported Features	7
FortiSwitch 100	7
FortiSwitch 200	10
FortiSwitch 400	14
FortiSwitch 500	17
FortiSwitch 1000	20
FortiSwitch 3000	22
Default Flow-Control state changed to disable	24
To enable flow control on both RX and TX:	24
To enable flow control on RX only:	24
To enable flow control on TX only:	24
Connecting multiple FSW-R-112D-POE switches	24
Upgrade Information	25
Cooperative Security Fabric Upgrade	25
Product Integration and Support	26
FortiSwitch 3.6.0 support	26
Resolved Issues	28
Known Issues	30

Change Log

Date	Change Description
2017-06-06	Initial release.
2017-06-19	Added a known issue (bug 437482).
2017-06-27	Added a resolved issue (bug 415322).
2017-07-05	Changed the FortiSwitch 200 table to show that FSW-224D-POE does not support Multi-Chassis Link Aggregation.

Introduction

This document provides the following information for FortiSwitch 3.6.0 build: 0371.

- [Supported models](#)
- [Special Notices](#)
- [Upgrade Information](#)
- [Product Integration and Support](#)
- [Resolved Issues](#)
- [Known Issues](#)

See the [Fortinet Document Library](#) for FortiSwitch documentation.

Supported models

FortiSwitch 3.6.0 supports the following models:

FortiSwitch	FSW-108D-POE, FSW-124D, FSW-124D-POE, FSW-224D-FPOE, FSW-224D-POE, FSW-248D-FPOE, FSW-248D-POE, FSW-248D, FSW-424D, FSW-424D-FPOE, FSW-424D-POE, FSW-448D, FSW-448D-FPOE, FSW-448D-POE, FSW-524D-FPOE, FSW-524D, FSW-548D, FSW-548D-FPOE, FSW-1024D, FSW-1048D, FSW-3032D
FortiSwitch Rugged	FSR-112D-POE, FSR-124D

What's new in 3.6.0

This FortiSwitch 3.6.0 release offers the following new feature or and enhancements:

- MLAG (Multi-Chassis Link Aggregation)
- Dynamic Layer-3 protocols (OSPF, RIP, VRRP) (This features requires the advanced features license.)
- Route-map support
- Firmware Image Rotation (Dual firmware image support)
- TDR (Time-Domain Reflectometer) /cable diagnostics support
- Per-VAN MAC learning limit
- Sticky MAC on switch interfaces
- POE modes support: First Come First Serve or Priority Based (POE models)
- ACL: Egress Mask Action support
- Monitor System Temperature (Threshold configuration, SNMP trap support)
- 'forced-untagged' or 'force-tagged' setting on Switch interfaces
- Selective Packet Sampling to CPU (A useful diagnostic tool)

- Add CLI to show extended port statistics
- CLI display progress (%) during firmware upgrade

Special Notices

Supported Features

Features support by model.

FortiSwitch 100

Feature	FSW-108D-POE	FSR-112D-POE	FSW-124D	FSW-124D-POE	FSR-124D
48 port lag support					
801.1x port mode	✓	✓	✓	✓	✓
802.1x MAC base security mode			✓	✓	✓
ACL			✓	✓	✓
Auto module max speed detection & notification					
CPLD Software Upgrade Support for OS					
DHCP relay feature			✓	✓	✓
DHCP Snooping			✓	✓	✓
HTTP REST APIs	✓	✓	✓	✓	✓
HW based ECMP					

Feature	FSW-108D- POE	FSR-112D- POE	FSW-124D	FSW-124D- POE	FSR-124D
IGMP Snooping			✓	✓	✓
IP conflict detection & notification	✓	✓	✓	✓	✓
LAG min-max-bundle	✓	✓	✓	✓	✓
LLDP transmit	✓	✓	✓	✓	✓
LLDP-MED	✓	✓	✓	✓	✓
Loop-guard	✓	✓	✓	✓	✓
MAC-IP Binding					
POE-pre-standard detection	✓	✓		✓	
QOS: 802.1p support			✓	✓	✓
SFLOW	✓	✓	✓	✓	✓
Software Routing Only	✓	✓			
Static BFD			✓	✓	✓
Static L3/HW based routing			✓	✓	✓
Storm Control	✓	✓	✓	✓	✓
Virtual Wire			✓	✓	✓
vlan tag by ACL			✓	✓	✓
vlan tag by MAC/IP/802.1x	✓	✓	✓	✓	✓

Feature	FSW-108D- POE	FSR-112D- POE	FSW-124D	FSW-124D- POE	FSR-124D
Implement Switch SNMP OID	✓	✓	✓	✓	✓
Support QSFP to 4*SFP splitter cable	✓	✓	✓	✓	✓
Support per port MAC-limit	✓	✓	✓	✓	✓
Multi-Chassis Link Aggregation					
Dynamic L3 Protocols (OSPF, RIP, VRRP)					
Dynamic ARP Inspection			✓	✓	✓
Firmware Image Rotation (Dual firmware image support)		✓	✓	✓	✓
Time-Domain Reflectometer (TDR)/Cable Diagnostics Support			✓	✓	✓
Per-VAN MAC Learning Limit			✓	✓	✓
Sticky MAC on Switch Interfaces			✓	✓	✓
POE Modes support	✓	✓	✓	✓	✓

Feature	FSW-108D- POE	FSR-112D- POE	FSW-124D	FSW-124D- POE	FSR-124D
ACL: Egress Mask Action support			✓	✓	✓
Monitor System Temperature	✓	✓	✓	✓	✓
'forced-untagged' or 'force-tagged' setting on Switch Interfaces	✓	✓	✓	✓	✓
Selective Packet Sampling to CPU			✓	✓	✓
Add CLI to show extended port statistics	✓	✓	✓	✓	✓
CLI display progress (%) during firmware upgrade	✓	✓	✓	✓	✓

FortiSwitch 200

Feature	FSW-224D- POE	FSW-224D-FPOE	FSW-248D	FSW-248D- POE	FSW-248D- FPOE
48 port lag support			✓	✓	✓
802.1x port mode	✓	✓	✓	✓	✓
802.1x MAC base security mode		✓	✓	✓	✓
ACL		✓	✓	✓	✓

Feature	FSW-224D- POE	FSW-224D-FPOE	FSW-248D	FSW-248D- POE	FSW-248D- FPOE
Auto module max speed detection & notification					
CPLD Software Upgrade Sup- port for OS					
DHCP relay fea- ture		✓	✓	✓	✓
DHCP Snoop- ing		✓	✓	✓	✓
HTTPS REST APIs	✓	✓	✓	✓	✓
HW based ECMP					
IGMP Snoop- ing		✓	✓	✓	✓
IP conflict detection & notification	✓	✓	✓	✓	✓
LAG min-max- bundle	✓	✓	✓	✓	✓
LLDP transmit	✓	✓	✓	✓	✓
LLDP-MED	✓	✓	✓		✓
Loop-guard	✓	✓	✓	✓	✓
MAC-IP Bind- ing					
POE-pre-stand- ard detection	✓	✓		✓	✓
QOS: 802.1p support		✓	✓	✓	✓
SFLOW	✓	✓	✓	✓	✓

Feature	FSW-224D- POE	FSW-224D-FPOE	FSW-248D	FSW-248D- POE	FSW-248D- FPOE
Software Rout- ing Only	✓				
Static BFD		✓	✓	✓	✓
Static L3/HW based routing		✓	✓	✓	✓
Storm Control	✓	✓	✓	✓	✓
Virtual Wire		✓	✓	✓	✓
vlan tag by ACL		✓	✓	✓	✓
vlan tag by MAC/IP/802.1x	✓	✓	✓	✓	✓
Implement Switch SNMP OID	✓	✓	✓	✓	✓
Support QSFP to 4*SFP split- ter cable	✓	✓	✓	✓	✓
Support per port MAC-limit	✓	✓	✓	✓	✓
Multi-Chassis Link Aggreg- ation		✓	✓	✓	✓
Dynamic L3 Protocols (OSPF, RIP, VRRP)	✓	✓	✓	✓	✓
Dynamic ARP Inspection	✓	✓	✓	✓	✓
Firmware Image Rota- tion (Dual firm- ware image support)		✓	✓	✓	✓

Feature	FSW-224D- POE	FSW-224D-FPOE	FSW-248D	FSW-248D- POE	FSW-248D- FPOE
Time-Domain Reflectometer (TDR)/Cable Diagnostics Support	✓	✓	✓	✓	✓
Per-VAN MAC Learning Limit	✓	✓	✓	✓	✓
Sticky MAC on Switch Interfaces	✓	✓	✓	✓	✓
POE Modes support	✓	✓	✓	✓	✓
ACL: Egress Mask Action support	✓	✓		✓	✓
Monitor System Temperature	✓	✓	✓	✓	✓
'forced-untagged' or 'force-tagged' setting on Switch Interfaces	✓	✓	✓	✓	✓
Selective Packet Sampling to CPU	✓	✓	✓	✓	✓
Add CLI to show extended port statistics	✓	✓	✓	✓	✓
Display Progress (%) during Firmware Upgrade.	✓	✓	✓	✓	✓

FortiSwitch 400

Feature	FSW-424D	FSW-424D- POE	FSW-424D- FPOE	FSW-448D	FSW-448D- POE	FSW-448D- FPOE
48 port lag sup- port						
802.1x port mode	✓	✓	✓	✓	✓	✓
802.1x MAC base security mode	✓	✓	✓	✓	✓	✓
ACL	✓	✓	✓	✓	✓	✓
Auto module max speed detection & notification	✓	✓	✓	✓	✓	✓
CPLD Software Upgrade Sup- port for OS						
DHCP relay fea- ture	✓	✓	✓	✓	✓	✓
DHCP Snoop- ing	✓	✓	✓	✓	✓	✓
HTTP REST API	✓	✓	✓	✓	✓	✓
HW based ECMP						
IGMP Snoop- ing	✓	✓	✓	✓	✓	✓
IP conflict detection & notification	✓	✓	✓	✓	✓	✓
LAG min-max- bundle	✓	✓	✓	✓	✓	✓
LLDP transmit	✓	✓	✓	✓	✓	✓

Feature	FSW-424D	FSW-424D- POE	FSW-424D- FPOE	FSW-448D	FSW-448D- POE	FSW-448D- FPOE
LLDP-MED	✓	✓	✓	✓	✓	✓
Loop-guard	✓	✓	✓	✓	✓	✓
MAC-IP Bind- ing						
POE-pre-stand- ard detection		✓	✓		✓	✓
QOS: 802.1p support	✓	✓	✓	✓	✓	✓
SFLOW	✓	✓	✓	✓	✓	✓
Software Rout- ing Only						
Static BFD	✓	✓	✓	✓	✓	✓
Static L3/HW based routing	✓	✓	✓	✓	✓	✓
Storm Control	✓	✓	✓	✓	✓	✓
Virtual Wire	✓	✓	✓	✓	✓	✓
vlan tag by ACL	✓	✓	✓	✓	✓	✓
vlan tag by MAC/IP/802.1x	✓	✓	✓	✓	✓	✓
Implement Switch SNMP OID	✓	✓	✓	✓	✓	✓
Support QSFP to 4*SFP split- ter cable	✓	✓	✓	✓	✓	✓
Support per port MAC-limit	✓	✓	✓	✓	✓	✓
Multi-Chassis Link Aggreg- ation	✓	✓	✓	✓	✓	✓

Feature	FSW-424D	FSW-424D- POE	FSW-424D- FPOE	FSW-448D	FSW-448D- POE	FSW-448D- FPOE
Dynamic L3 Protocols (OSPF, RIP, VRRP)	✓	✓	✓	✓	✓	✓
Dynamic ARP Inspection	✓	✓	✓	✓	✓	✓
Firmware Image Rotation (Dual firmware image support)	✓	✓	✓	✓	✓	✓
Time-Domain Reflectometer (TDR)/Cable Diagnostics Support	✓	✓	✓	✓	✓	✓
Per-VAN MAC Learning Limit	✓	✓	✓	✓	✓	✓
Sticky MAC on Switch Interfaces	✓	✓	✓	✓	✓	✓
POE Modes support	✓	✓	✓	✓	✓	✓
ACL: Egress Mask Action support	✓	✓		✓	✓	✓
Monitor System Temperature	✓	✓	✓	✓	✓	✓
'forced-untagged' or 'force-tagged' setting on Switch Interfaces	✓	✓	✓	✓	✓	✓

Feature	FSW-424D	FSW-424D- POE	FSW-424D- FPOE	FSW-448D	FSW-448D- POE	FSW-448D- FPOE
Selective Packet Sampling to CPU	✓	✓	✓	✓	✓	✓
Add CLI to show extended port statistics	✓	✓	✓	✓	✓	✓
CLI display progress (%) during firmware upgrade	✓	✓	✓	✓	✓	✓

FortiSwitch 500

Feature	FSW-524D	FSW-524D-FPOE	FSW-548D	FSW-548D-FPOE
48 port lag support			✓	✓
802.1x port mode	✓	✓	✓	✓
802.1x MAC base security mode	✓	✓	✓	✓
ACL	✓	✓	✓	✓
Auto module max speed detection & notification	✓	✓	✓	✓
CPLD Software Upgrade Support for OS				
DHCP relay feature	✓	✓	✓	✓
DHCP Snooping	✓	✓	✓	✓
HTTP REST APIs	✓	✓	✓	✓
HW based ECMP	✓	✓	✓	✓
IGMP Snooping	✓	✓	✓	✓
IP conflict detection & notification	✓	✓	✓	✓

Feature	FSW-524D	FSW-524D-FPOE	FSW-548D	FSW-548D-FPOE
LAG min-max-bundle	✓	✓	✓	✓
LLDP transmit	✓	✓	✓	✓
LLDP-MED	✓	✓	✓	✓
Loop-guard	✓	✓	✓	✓
MAC-IP Binding	✓	✓	✓	✓
POE-pre-standard detection		✓		✓
QOS: 802.1p support	✓	✓	✓	✓
SFLOW	✓	✓	✓	✓
Software Routing Only				
Static BFD	✓	✓	✓	✓
Static L3/HW based routing	✓	✓	✓	✓
Storm Control	✓	✓	✓	✓
Virtual Wire	✓	✓	✓	✓
vlan tag by ACL	✓	✓	✓	✓
vlan tag by MAC/IP/802.1x	✓	✓	✓	✓
Implement Switch SNMP OID	✓	✓	✓	✓
Support QSFP to 4*SFP splitter cable	✓	✓	✓	✓
Support per port MAC-limit	✓	✓	✓	✓
Multi-Chassis Link Aggregation	✓	✓	✓	✓

Feature	FSW-524D	FSW-524D-FPOE	FSW-548D	FSW-548D-FPOE
Dynamic L3 Pro- tocols (OSPF, RIP, VRRP)	✓	✓	✓	✓
Dynamic ARP Inspection	✓	✓	✓	✓
Firmware Image Rotation (Dual firm- ware image sup- port)	✓	✓	✓	✓
Time-Domain Reflectometer (TDR)/Cable Dia- gnostics Support	✓	✓	✓	✓
Per-VAN MAC Learning Limit	✓	✓	✓	✓
Sticky MAC on Switch Interfaces	✓	✓	✓	✓
POE Modes support	✓	✓	✓	✓
ACL: Egress Mask Action support	✓	✓	✓	✓
Monitor System Temperature	✓	✓	✓	✓
'forced-untagged' or 'force-tagged' set- ting on Switch Inter- faces	✓	✓	✓	✓
Selective Packet Sampling to CPU	✓	✓	✓	✓
Add CLI to show extended port stat- istics	✓	✓	✓	✓
CLI display progress (%) during firmware upgrade	✓	✓	✓	

FortiSwitch 1000

Feature	FSW-1024D	FSW-1048D
48 port lag support		✓
802.1x port mode	✓	✓
802.1x MAC base security mode	✓	✓
ACL	✓	✓
Auto module max speed detection & notification	✓	✓
CPLD Software Upgrade Support for OS	✓	✓
DHCP relay feature	✓	✓
DHCP Snooping	✓	✓
HTTP REST APIs	✓	✓
HW based ECMP	✓	✓
IGMP Snooping	✓	✓
IP conflict detection & notification	✓	✓
LAG min-max-bundle	✓	✓
LLDP transmit	✓	✓
LLDP-MED	✓	✓
Loop-guard	✓	✓
MAC-IP Binding	✓	✓
POE-pre-standard detection		
QOS: 802.1p support	✓	✓
SFLOW	✓	✓
Software Routing Only		
Static BFD	✓	✓
Static L3/HW based routing	✓	✓

Feature	FSW-1024D	FSW-1048D
Storm Control	✓	✓
Virtual Wire	✓	✓
vlan tag by ACL	✓	✓
vlan tag by MAC/IP/802.1x	✓	✓
Implement Switch SNMP OID	✓	✓
Support QSFP to 4*SFP splitter cable		✓
Support per port MAC-limit	✓	✓
Multi-Chassis Link Aggregation	✓	✓
Dynamic L3 Protocols (OSPF, RIP, VRRP)	✓	✓
Dynamic ARP Inspection	✓	✓
Firmware Image Rotation (Dual firmware image support)	✓	✓
Time-Domain Reflectometer (TDR)/Cable Diagnostics Support	✓	✓
Per-VAN MAC Learning Limit	✓	✓
Sticky MAC on Switch Interfaces	✓	✓
POE Modes support	✓	✓
ACL: Egress Mask Action support	✓	✓
Monitor System Temperature	✓	✓
'forced-untagged' or 'force-tagged' setting on Switch Interfaces	✓	✓
Selective Packet Sampling to CPU	✓	✓
Add CLI to show extended port statistics	✓	✓
CLI display progress (%) during firmware upgrade	✓	✓

FortiSwitch 3000

Feature	FSW-3032D
48 port lag support	
802.1x port mode	✓
802.1x MAC base security mode	✓
ACL	✓
Auto module max speed detection & notification	
CPLD Software Upgrade Support for OS	
DHCP relay feature	✓
DHCP Snooping	✓
HTTP REST APIs	✓
HW based ECMP	✓
IGMP Snooping	✓
IP conflict detection & notification	✓
LAG min-max-bundle	✓
LLDP transmit	✓
LLDP-MED	✓
Loop-guard	✓
MAC-IP Binding	✓
POE-pre-standard detection	
QOS: 802.1p support	✓
SFLOW	✓
Software Routing Only	
Static BFD	✓
Static L3/HW based routing	✓

Feature	FSW-3032D
Storm Control	✓
Virtual Wire	✓
vlan tag by ACL	✓
vlan tag by MAC/IP/802.1x	✓
Implement Switch SNMP OID	✓
Support QSFP to 4*SFP splitter cable	✓
Support per port MAC-limit	✓
Multi-Chassis Link Aggregation	✓
Dynamic L3 Protocols (OSPF, RIP, VRRP)	✓
Dynamic ARP Inspection	✓
Firmware Image Rotation (Dual firmware image support)	✓
Time-Domain Reflectometer (TDR)/Cable Diagnostics Support	✓
Per-VAN MAC Learning Limit	✓
Sticky MAC on Switch Interfaces	✓
POE Modes support	✓
ACL: Egress Mask Action support	✓
Monitor System Temperature	✓
'forced-untagged' or 'force-tagged' setting on Switch Interfaces	✓
Selective Packet Sampling to CPU	✓
Add CLI to show extended port statistics	✓
CLI display progress (%) during firmware upgrade	✓

Default Flow-Control state changed to disable

This change allows a port to ignore the pause frame it receives. You can still enable flow control on a port if so desired by using the following CLI commands:

To enable flow control on *both* RX and TX:

```
S548DN4K16000360 # config switch physical-port
S548DN4K16000360 (physical-port) # edit port9
S548DN4K16000360 (port9) # set flow-control both
```

To enable flow control on RX only:

```
S548DN4K16000360 # config switch physical-port
S548DN4K16000360 (physical-port) # edit port9
S548DN4K16000360 (port9) # set flow-control rx
```

To enable flow control on TX only:

```
S548DN4K16000360 # config switch physical-port
S548DN4K16000360 (physical-port) # edit port9
S548DN4K16000360 (port9) # set flow-control tx
```

Connecting multiple FSW-R-112D-POE switches

The FSW-R-112D-POE switch does not support interconnectivity to other FSW-R-112D-POE switches using the PoE ports. Fortinet recommends using the SFP ports to interconnect switches.

Upgrade Information

FortiSwitch 3.6.0 supports upgrading from FortiSwitch 3.5.0 and later.

Cooperative Security Fabric Upgrade

FortiOS 5.4.1 greatly increases the interoperability between other Fortinet products. This includes:

- FortiClient 5.4.1
- FortiClient EMS 1.0.1
- FortiAP 5.4.1
- FortiSwitch 3.4.2

The upgrade of the firmware for each product must be completed in a precise order so the network connectivity is maintained without the need of manual steps. Customers must read the following two documents prior to upgrading any product in their network:

- *Cooperative Security Framework - Upgrade Guide*
- *FortiOS 5.4.0 to 5.4.1 Upgrade Guide for Managed FortiSwitch Devices*

This document is available in the Customer Support Firmware Images download directory for FortiSwitch 3.4.2.

Product Integration and Support

FortiSwitch 3.6.0 support

The following table lists 3.6.0 product integration and support information.

Web browser	<ul style="list-style-type: none">• Microsoft Internet Explorer version 11• Mozilla Firefox version 52• Google Chrome version 56 <p>Other web browsers may function correctly, but are not supported by Fortinet.</p>
--------------------	---

**FortiOS
(FortiLink Support)**

- 5.4.1 and later
FortiSwitch must be upgraded first before upgrading FortiOS. Please read the *Upgrade Information > Cooperative Security Fabric Upgrade* section in this document.
- 5.4.0
FortiSwitch models: FSW-108D-POE, FSW-124D, FSW-124D-POE, FSW-224D-POE, FSW-224D-FPOE, FSW-248D-POE, FSW-248D-FPOE, FSW-424D, FSW-424D-POE, FSW-424D-FPOE, FSW-448D, FSW-448D-POE, FSW-448D-FPOE, FSW-524D, FSW-524D-FPOE, FSW-548D, FSW-548D-FPOE, FSW-1024D, FSW-1048D, FSW-3032D, FSR-112D-POE

FortiGate models: FG-60D, FG-60D-POE, FG-90D, FG-90-POE, FG-100D, FG-140D, FG-140D-POE, FG-140D-POE-T1, FG-200D, FG-240D, FG-280D, FG-280D-POE, FG-600C, FG-800C, FG-1000C, FG-1500D, FG-1200D, FG-3700D, FG-3700DX

FortiWiFi models: FWF-60D, FWF-60D-POE, FWF-90D, FWF-90D-POE
- 5.2.3 and later
FortiSwitch models: FSW-108D-POE, FSW-124D, FSW-124D-POE, FSW-224D-POE, FSW-224D-FPOE, FSR-112D-POE

FortiGate models: FG-60D, FG-90D, FG-100D, FG-140D, FG-200D, FG-240D, FG-280D, FG-600C, FG-800C, FG-1000C, FG-60D-POE, FG-90D-POE, FG-140D-POE, FG-140D-POE-T1, FG-280D-POE

FortiWiFi models: FWF-60D, FWF-60D-POE, FWF-90D, FWF-90D-POE
- 5.2.2
FortiSwitch models: FSW-224D-POE

FortiGate models: FG-90D, FG-90D-POE, FG-100D, FG-140D, FG-140D-POE, FG-140D-POE-T1, FG-200D, FG-240D, FG-280D, FG-280D-POE, FG-600C, FG-800C, FG-1000C

FortiWiFi models: FWF-90D, FWF-90D-POE

Resolved Issues

The following issues have been fixed in 3.6.0. For inquiries about a particular bug, please contact [Customer Service & Support](#).

Bug ID	Description
377609	The PoE port does not return to link up when you remove and insert the link.
393856	LLDP-MED does not time out quickly enough on FSR-124D.
393622	<code>get switch dhcp-snooping status</code> does not report correctly snoop-enabled VLANs.
408113	The local user failed authentication when eap-passthru is enabled by default.
414802	IGMP-Snooping: Traffic flooding to newly assigned VLAN source port.
414570	802.1 does not clean up completely when adding 802.1x interface to the trunk port.
0408290	FSW-224D-POE Behavior as POE PD FSW-224D-POE POE ports should not be connected to another PSE device. FSW-224D-POE will act as PD if connected to PSE and main power is removed. Additionally some POE ports maybe be unpowered if acting as a PD.
0410200	802.1x: vlan programming received from radius server can be overwritten by CLI configuration. Resolved when a vlan is learned from radius authentication and programmed to switch port, it could be overwritten by CLI configuration.
0414570	802.1 does not clean up fully when adding 802.1x interface to the trunk port.
0408113	FortiSwitch was unable to support multiple remote RADIUS server groups while in FortiLink mode.
0404319	FortiSwitch would report an error when switching from switch-management mode to local management mode
0394256	(802.1x feature interaction and session flush) Enabling other features on an authorized port would flush the existing session.

Bug ID	Description
0402037	Lack of MAB support on FSW-108D-POE, FSW-224D-POE, and FSR-112D-POE platforms.
0414060	DHCP snooping feature did not work with the 802.1x dynamic vlan assignment.
0401465	802.1x limits the maximum number of MAB concurrent sessions to 10 per port.
0365835	FortiSwitch was unable to monitor system temperature and generate log and SNMP trap if temperature crosses a configurable threshold.
415322	LLPD had a periodic memory leak every 30 seconds, which could add up to a megabyte every week.

Known Issues

The following known issues have been identified with 3.6.0. For inquiries about a particular bug or to report a bug, please contact [Fortinet Customer Service & Support](#).

Bug ID	Description
393845	Newly created static MAC address may not be get added in MAC address table when 802.1x feature is enabled on same interface.
393186	FSW does NOT allow timezones 00, 76, 82 and 86.
410200	802.1x: VLAN programming received from a RADIUS server can be overwritten by CLI configuration. Workaround: Do NOT manually change the VLAN assignment on a port that is in an authentication state.
391607	Switch does not send gratuitous ARP for IP conflict when the system boots up and adds a new switch virtual interface (SVI).
414972	IGMP Snooping may not work correctly when used with 802.1x Dynamic VLAN functionality.
416655	IGMP Snooping may not work correctly when used with 802.1x Dynamic VLAN functionality.
417024	DHCP client lease time on PVLAN is inaccurate.
417073	DHCP MAC address client is learned on Primary VLAN instead of the isolated VLAN.
417099	The system shows no DAI stats entry on PVLAN ports.
422621	Enabling IGMP-Snooping on a VLAN would disable Layer-3 functions, e.g., OSPF, RIP and VRRP .
423161	The system is unable to ping two IPv6 neighbors using the VLAN system interface.
423940	In some cases, the MAC address and VLAN ID are shown (diagnostic command) twice on the same interface after splitting ports.
424096	(Access VLAN) A Host in the same access VLAN can receive IGMP messages from other hosts.

Bug ID	Description
433900	<p>The pause frames may cause the switch to stop sending STP, LLDP, and LACP packets to other ports of the switch.</p> <p>Workaround: Disable flow-control on physical-port/s.</p>
434680	<p>If you have a sticky-MAC address on an interface which is moved to split-port mode, some entries may remain.</p> <p>Workaround: Clear sticky-MAC address before changing to split-port mode.</p>
434956	<p>(GUI_QOS) Egress policy may display '-1' as max-rate. Please verify your setting from CLI.</p>
380239	<p>IGMP-Snooped multicast groups are not immediately flushed out of the snooping table when the querier port is shut down.</p>
418204	<p>DHCP Snoop feature creates an entry even if server sends DHCPNAK to the client.</p>
437482	<p>When the 3.6.0 FortiSwitchOS CLI is used to upgrade the BIOS, the FortiSwitch becomes completely nonfunctional.</p> <p>Workaround: Enter BIOS and then upgrade from within it.</p>



Copyright© 2017 Fortinet, Inc. All rights reserved. Fortinet®, FortiGate®, FortiCare® and FortiGuard®, and certain other marks are registered trademarks of Fortinet, Inc., in the U.S. and other jurisdictions, and other Fortinet names herein may also be registered and/or common law trademarks of Fortinet. All other product or company names may be trademarks of their respective owners. Performance and other metrics contained herein were attained in internal lab tests under ideal conditions, and actual performance and other results may vary. Network variables, different network environments and other conditions may affect performance results. Nothing herein represents any binding commitment by Fortinet, and Fortinet disclaims all warranties, whether express or implied, except to the extent Fortinet enters a binding written contract, signed by Fortinet's General Counsel, with a purchaser that expressly warrants that the identified product will perform according to certain expressly-identified performance metrics and, in such event, only the specific performance metrics expressly identified in such binding written contract shall be binding on Fortinet. For absolute clarity, any such warranty will be limited to performance in the same ideal conditions as in Fortinet's internal lab tests. In no event does Fortinet make any commitment related to future deliverables, features or development, and circumstances may change such that any forward-looking statements herein are not accurate. Fortinet disclaims in full any covenants, representations, and guarantees pursuant hereto, whether express or implied. Fortinet reserves the right to change, modify, transfer, or otherwise revise this publication without notice, and the most current version of the publication shall be applicable.